

AMERICAN NURSEYMAN

AMERICAN NURSERY TRADE BULLETIN

Chief Exponent of the American Nursery Trade

Vol. LI No. 11

JUNE 1, 1930

Per Copy 20c

PAINESVILLE NURSERIES

The spring season for deciduous trees and shrubs is over. We are still providing Evergreens in fine condition.



PYRAMID-SHAPE BOXWOOD

**NOW
READY**



BOXWOOD—Choice California Grown

Pyramid Shaped	B & B	Tubbed
28 inches high, each.....	\$3.75	\$4.75
32 inches high, each.....	5.00	6.00
36 inches high, each.....	6.50	7.75

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A fine assortment of popular Hybrid Teas, shipped out in paper pots.
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CANNAS—Our good list from 3 inch pots.

GLADIOLI—Still filling good assortments.

DAHLIAS—Good assortment started plants.

The Storrs & Harrison Co.

"Painesville Nurseries"

PAINESVILLE,

LAKE COUNTY, OHIO

39 STATE ST.



ROCHESTER, N. Y.

American Fruits Publishing Co.

*"New York
State Grown"*



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FRUITS
ORNAMENTALS
ROSES
EVERGREENS

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Price List

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1000 Acres
in 1928

FALL-1930

We offer a general line of hardy
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A few Specials in Carload lots

CHERRY—1 & 2 year

APPLE—2 & 3 year

PEACH—1 year

BARBERRY—12/18-18/24-2/3

SPIREA V. H.—2/3-3/4-4/5

HONEYSUCKLE BUSH in variety—3/4-4/5-5/6

ELM AMERICAN—up to 2½ inches

ELM AMERICAN (Budded)—up to 2½ inches

ELM MOLINE—up to 2½ inches

These American Elm budded and Moline have been given extra space in the row and were transplanted four years ago. A fine select lot of trees perfectly straight.

NORWAY MAPLE—up to 1½ inch

SOFT MAPLE—up to 3½ inches

C. M. HOBBS & SONS

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Established 1875
LARGEST NURSERY IN INDIANA

Best Tree Digger on Earth



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NURSERIES AND ORCHARDS COMPANY

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Covering the Trade**

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Published Semi-monthly, on 1st and 15th

Goes every month into every state in the Union

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Under Yearly Term \$1.25

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Established 1870

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Amoor River North Privet, 2 yr.,
2-3 and 3-4 ft., well branched.
Bungei Catalpa, 4½-8 ft. stems.
Lombardy Poplar, 5-6 to 10-12 ft.
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Tamarix Asst., 2-3 to 5-6 ft.
Purple Wisteria, 2 & 3 yrs.

EVERGREENS—Biotas and Jun-
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Early Harvest B. B. root grown
plants.
Long list of Ornamentals in gen-
erous supply.

EVERGREENS

Norway Spruce. Seedlings

	Per 100	Per 1000
4 to 6 inches.....	\$1.00	\$ 6.00
6 to 8 inches.....	1.50	10.00
8 to 12 inches.....	2.50	20.00

Norway Spruce. Once transplanted

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Twice transplanted, stocky trees

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Samples, each variety and size, 10c. Boxing
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Stock and have a surplus in many varie-
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Our Wholesale Spring Trade List will
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A list for Landscape Architects,
Nurserymen and Gardeners.

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BARBERRY THUNBERGI—2 yr., 12-15 inch, 15-18 inch
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CARL E. MATHEWS
CLIFFORD R. BURR

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FRENCH PEAR
JAPAN PEAR
USSURIENSIS
MAZZARD

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ORDER EARLY and be sure of getting our
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CHINESE ELM
CAMPERDOWN WEEPING ELM
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SCHWEDLERI MAPLE
WEEPING MULBERRY
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TREES, GRAPE VINES and SHADE TREES.
CUT LEAF WEEPING BIRCH, A SPECIALTY
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We are interested in shipping containers.
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Forest and Ornamental Stock,
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Chief Exponent of the Nursery Trade

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American Nurseryman Directory of American Plant Propagators

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and largest stock of lining out stock in the United States.

Write for prices or call and see our growing stock.

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CULTRA BROS., Mgrs.
Onarga, Illinois

Scotch Grove Nursery

Growers of

EVERGREENS

For

Lining Out

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STANDARD SORTS

Price List on Request—Established 1871

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EVERGREENS

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HARDY NATIVE TREES, SHRUBS,
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L. E. WILLIAMS NURSERY CO.
Exeter, N. H.

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Seedlings—Transplants—Cuttings
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Hedgeplants, Shrubs, Vines, Peony

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Chief Exponent of the Trade

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EVERGREENS
SHRUBS
CANNAS
LINING OUT STOCK

Trade List upon request

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Nurserymen Since 1337
Robert Pyle, Pres. West Grove, Pa.

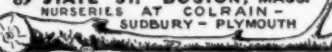


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SUDBURY - PLYMOUTH



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Size	Grade	100	1000
4-8 in.	T	\$6.00	\$50.00
WHITE SPRUCE—Extra good quality			
Size	Grade	100	1000
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DOUGLAS FIR—A big block of vigorous transplants.			
Size	Grade	100	1000
4-8 in.	T	\$6.00	\$50.00
3-6 in.	T	5.00	40.00

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Little Tree Farms
FRAMINGHAM CENTRE, MASSACHUSETTS

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Bedding and Lining Out

M. L. CARR'S SONS

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Ohio

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Northern Grown Hardy Plants
SEVEN MILLION EVERGREEN
Seedlings and Transplants
HARDY OUTDOOR FERNS
ROCK GARDEN PLANTS
WILD FLOWERS & PERENNIALS

We mail Trade List and will quote interesting prices on want lists.

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Choice Broad-leaved and Coniferous

EVERGREENS

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Write for wholesale catalogue and list of rooted cuttings.

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Large Assortment

WELL GROWN—NONE BETTER

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HEMLOCK
ARBOR VITAE
NORWAY SPRUCE
SCOTCH PINE
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CANOE BIRCH
SUGAR MAPLE

and other Evergreens, Shade Trees,
Shrubs, Ferns, and Perennials.

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PUTNEY, VERMONT

EVERGREENS

SEEDLINGS and TRANSPLANTS

FOR LINING OUT

Write for Our Price List

THE NORTH-EASTERN FORESTRY CO.

"We Grow Our Own Trees"

CHESHIRE,

CONNECTICUT

WE HAVE THEM

You May Want Some

Norway, Sycamore and Silver
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Butterfly Bush, Dogwoods, Deutzias, Forsythia, Spireas, etc.

Our Trade List is ready.

Get next to one.

Atlantic Nursery Co.

BERLIN,

MARYLAND

KEEP POSTED

On Nursery Trade Affairs

By reading regularly a trade journal which covers the trade news. Progressive Nurserymen who do this possess an undoubted advantage in business plans and in their transactions.

AMERICAN NURSERYMAN — June 1, 1930

EDITORIAL DEPARTMENT—Communications on any subject connected with Commercial Horticulture, Nurseries or Arboriculture are cordially invited by the Editor; also articles on these subjects and papers prepared for conventions of Nursery or Horticultural associations. We also shall be pleased to reproduce engravings relating to these topics, Orchard Scenes, Cold Storage Houses, Office Buildings, Fields of Stock, Specimen Trees and Plants, Portraits of Individuals, etc. Engravings will be made from photographs at cost.

Advertising—Last forms close (semi-monthly) on the 10th and 25th of each month. If proofs are wanted, copy should be on hand one week earlier.

"AMERICAN NURSERYMAN" is distinctive in that it reaches an exceptional list and covers the field of the business man engaged in Commercial Horticulture—the earl operator. Here is concentrated class circulation of high character—the Trade Journal of Commercial Horticulture, quality rather than quantity.

"AMERICAN NURSERYMAN" will not accept advertisements that do not represent reliable concerns.

SUBSCRIPTIONS—"AMERICAN NURSERYMAN," published semi-monthly, on 1st and 15th, will be sent to any address in the United States for \$2.50 a year; to Canada or abroad for \$3.00 a year. Single copies of current volume, 20c; of previous volumes, 25c.

RALPH T. OLCOTT
Editor, Manager.

AMERICAN FRUITS PUBLISHING COMPANY, INC.

30 State Street,
Rochester, N. Y.

WHAT THIS MAGAZINE STANDS FOR—Clean chronicling of commercial news of the Planting Field and Nursery. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Co-operation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.

INDEPENDENT AND FEARLESS—"AMERICAN NURSERYMAN" makes no distinction in favor of any. It is untrammelled in its absolutely independent position and rates the welfare of the Nursery Trade above every other consideration.

This Magazine has no connection whatever with a particular enterprise. Absolutely unbiased and independent in all its dealings.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every news corner of the Continent.

It represents the results of American industry in one of the greatest callings—Commercial Horticulture in all its phases of Nursery Stock, Orchard and Landscape Planting and Distribution.

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EVERGREENS

Sherman's evergreens are grown by men who know how to grow evergreens. It is our desire to grow trees that you will be proud of when you see them growing on your customer's lawns. We use the greatest care in digging and packing, that these trees so carefully grown will reach you without losing any of their first class quality.

We can supply practically all varieties of evergreens or general nursery stock but we wish to call your attention especially to the following:

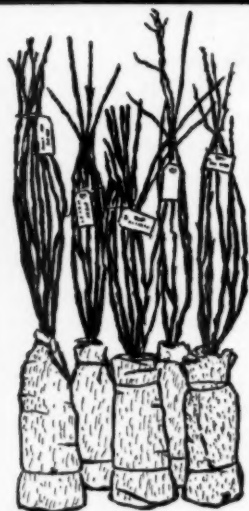
LINING OUT STOCK

Balsam Fir
Arbor Vitae
Pyramidal Arbor Vitae
Juniper Sabina
European Larch
All The Pines
All The Spruces
Red Cedar

SPECIMEN STOCK

American Arbor Vitae
Douglas Golden Arbor Vitae
Globosa Arbor Vitae
Compacta Arbor Vitae
Austrian Pine
Balsam Fir
Douglas Spruce
Norway Spruce

The SHERMAN NURSERY Co.
Charles City, Iowa



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... WITH ...

SAXOLIN

WATERPROOF

DUPLEX CRINKLED

Give your shipment that touch of extreme care and cleanliness that mean so much in the eyes of the customer.

Wrap Your Bundles In SAXOLIN

SAXOLIN is clean, tough and easy to handle. It's waterproof, it holds the dirt and moisture around the roots.

SAXOLIN is two sheets of kraft paper cemented with asphalt filler and crinkled to stretch and conform to shape of bundle.

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In Sheets Any Size, 6" x 8" \$1.20 Per 1,000 Sheets
12" x 18" ----- \$5.25 20" x 24" ----- \$11.90 etc.

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In Rolls 200 Yards 12" to 60" Wide

CHASE BAG Co.

Specialty Dept. -:- Cleveland, Ohio

The Preferred Stock



"We're Ready for Anything— Now That the Rush is Over"

"Yes, I'd almost be willing to take a chance crowding the aisle with a buxom blonde. It couldn't be any more of a battle than we've had with the big Spring business." Thus, the ever good natured Perk wisecracked the other day. "Find me a brunette with 'It' and I'm with you," said I.

Wedding or no wedding, you'll find us on the job preparing for a humdinger of a Fall season—that means profits for you.

Advance Bulletin No. 1 will be ready about June 20th.

JACK

Jackson & Perkins Company
Wholesale Only
Newark, New York.

ORNAMENTALS IN CAR LOTS

We are the largest source of supply in the Central West.

Get our quantity prices as they will please you.

ONARGA NURSERY COMPANY

A. J. & H. B. CULTRA, Proprietors, Onarga, Ill.

Wayside Gardens

HARDY PERENNIAL PLANTS
EXCLUSIVELY

Write for Trade List.

THE WAYSIDE GARDENS COMPANY
MENTOR, OHIO

AMERICAN NURSERYMAN

[Reg. U. S. Pat. Off.]

The Chief Exponent of the American Nursery Trade
National Journal of Commercial Horticulture

Entered September 6, 1916, at Rochester, N. Y. Post Office as second-class mail matter

WITHOUT OR WITH OFFENSE TO FRIENDS OR FOES, I SKETCH YOUR WORLD EXACTLY AS IT GOES.—BYRON

VOL. LI

ROCHESTER, N. Y. JUNE 1, 1930

No. 11

New Attack on National Quarantine Structure

Cited by California's Director of Department of Agriculture as Threatening California's Freedom from Major Pests and Diseases—May Cost Millions Annually

BRIEFLY—AN EXCLUDED PEST IS THE LEAST COSTLY

The importance of needed quarantine regulations is shown by results attained, in an article by Director G. H. Hecke of the California Department of Agriculture in a recent issue of the California Citrograph. Mr. Hecke says:

Sound quarantine principles are being attacked. Having weathered onslaughts of the past, California's pest prevention system, built by 50 years of strenuous fact-finding and practical experience, faces a very serious danger from its open enemies spurred by what I regard entirely as selfish and commercial interests.

Importers Intent

Organized on a national scope, importers and others intent upon lowering the bars to plants and plant materials from foreign countries are threatening California's freedom from major pests and diseases, and are paving the way for a new attack on our national quarantine structure.

The new attack, far more dangerous than any in quarantine history, challenges every agricultural, commercial and transportation interest in California, the west and the nation. If successful, it will cost agriculture hundreds of millions of dollars every year for all time.

You all know of organized and amply financed attempts to break down our federal plant quarantine regulations in the past. Always these have been financed and engineered by those whose business was disturbed because of these protective measures.

Repulsed in former attacks, enemies of American agricultural protection today are following a roundabout method, predicated on that great calamity, the discovery of Medfly in Florida.

Tariff Attempt Foiled

Recently there was foiled an attempt to emasculate the quarantine system by speaking into the pending tariff bill an innocent appearing amendment which would have deprived the secretary of agriculture of all power to forbid importation of fruits, host plants, Nursery stock and plant material from foreign countries. Watchful senators from California, Florida and Oregon caught the serious import of this amendment, notified the secretary, who had not yet heard of it, and killed it.

That amendment was a subtle thrust from a two-edged sword, for even though failing in an attempt to thus tie the secretary's



G. H. HECKE, Sacramento, Cal.,
Director California Dept. of Agriculture

hands, the principle of quarantine was brought before the public in such close connection with the tariff as to create propaganda which could only besmirch our quarantine structure with the implication of commercialism. Further, if it had been adopted, it would have thrown our gates wide open to importations from everywhere, subject only to inspection of each shipment.

An Excluded Pest Least Costly

Quarantine is a primary step in pest control through prevention. An excluded pest is the least costly. It should be emphasized that opponents of rational control and eradication offer no substitute. Their theory apparently is that quarantine and control do not pay; that it is better to open our ports to free importation of every known pest; put California and the rest of the nation on a parity with pest-infested countries and take the consequences.

These opponents brush aside the fact that by vigorous enforcement, California has held the Medfly at bay for almost 20 years, despite its widespread infestation in Hawaii since 1911; that California's \$500,000,000 citrus industry has been spared attack by the citrus canker and that our 250,000-acre cotton area still is free from infestation by the

boll weevil and the pink boll-worm due entirely to strenuous enforcement of wise regulatory laws.

Three Lines of Defense

If any of the men who would abolish quarantine safeguards had practical experience with fighting pests on a farm; if they owned a citrus or deciduous orchard; had an alfalfa ranch close to a highway coming from across the Sierras, or if they had owned a herd of cattle in Nevada while we were eradicating foot and mouth disease in California, they would not be so cocksure in their public utterances.

Sowing the seed of doubt as to the effectiveness of quarantine, those who oppose it arouse resentment against vitally necessary restrictions. Strengthening opposition of the ignorant and encouraging violations by the careless, they strike at the heart of the system upon which California prosperity is based.

Quarantines are practical. Interceptions of the Mediterranean fruit fly at our ports, to use a single illustration, are not an uncommon occurrence. From our beginnings in quarantine we have evolved our present more efficient practice which affords three lines of defense. First, Quarantine, the primary phase of pest control, to exclude major pests and diseases. Second, Inspection or survey by means of which we search for such invaders within our borders in case they should by chance break through. Third, Eradication campaigns for the elimination of dangerous pests before they have had time to assume such extensive proportions as to make eradication impractical.

Can Be But One Quarantine

I repeat, there can be but one quarantine policy. Past experience and present needs indicate that quarantine should be established only when economic benefit to a region, state or country by excluding dangerous pests clearly outweighs the inconvenience, expense and loss which such quarantines may cause. But when once established the greatest vigilance must be exercised to maintain its efficacy. Briefly—an excluded pest is the least costly!

H. B. Tukey, horticulturist, N. Y. State Expt. Sta., Geneva, in a recent article for information of the planting public, tells how to handle Nursery stock upon delivery.

Nurseryman's Honor Is Vigorously Defended

Lively Interest in Controversy Regarding Growing Quality of Black Walnut—Proof That the Tree Will Beat the Apple in Bearing

The honor of a Nurseryman, the late J. F. Jones, well-known nut and fruit specialist, Lancaster, Pa., long a member of the American Association of Nurserymen, the Northern Nut Growers Association, and other horticultural organizations, was questioned last month by one of his customers, a life member of the Northern Nut Growers Association, Robert H. Montgomery, prominent attorney of New York City, who had planted trees from the J. F. Jones Nursery on his property in Cos Cob, Conn., and had been unsuccessful in their culture.

In a letter to the official journal of the Northern Nut Growers Association Mr. Montgomery said:

I have been reading the *American Nut Journal* for some years with some interest. At first I had some confidence in the articles regarding the raising of nut trees, but my confidence during the last year or two has been sadly shaken.

I think you make a great mistake in publishing pictures which I think must be faked to a considerable extent. For instance the full page which you devote to a five-year-old walnut tree in the April number is, in my opinion, not only not based on fact, but your comparison with apple trees is wholly inaccurate. Some years ago I bought fifteen or twenty black walnut trees from Jones, paying \$10 each for them. I also bought some hickory trees. On my place in Connecticut there are many native black walnut and hickory trees growing profusely, so the land must be all right. We planted the trees in various locations and have given them every care and attention. Most of them grew a few inches each year. The best of them have not even approximated the growth of the much younger tree of which you show what seems to be a picture.

I also started an orchard of apple, pear, plum and peach trees about the same time. They have all grown well and bear excellent fruit in good quantities.

You ask why planters hesitate to plant black walnuts as against apple trees. I think the answer is that the latter grow and the former do not.

R. H. MONTGOMERY

New York City

The late J. F. Jones, from whose Nursery catalogue the illustration in question was reproduced, was one of the most prominent Nurserymen in the country, having operated in the trade in locations North and South for years and consistently on the highest plane, as members of the American Association of Nurserymen, the Northern Nut Growers Association and other organizations of which he had long been a member, besides hundreds of others, will attest.

Inasmuch as the Northern Nut Growers Association has by formal resolution, adopted in convention, advocated the planting of black walnut trees widely, under certain restrictions, as a promising practical development of nut culture; and inasmuch as evidence of comparatively early bearing of named varieties of the black walnut, has repeatedly appeared in print in various publi-

cations throughout the country in recent years, it seems desirable in view of the question raised by Mr. Montgomery that expression based upon experience should be made in regard to the matter at issue.

Unfortunate Experiences

I am rather in sympathy with the attitude of Mr. Robert H. Montgomery because he has had a more or less unfortunate experience. He first sent on \$100 to one of our former members, the only one ever in disgrace, in order to stock up with hazels. The \$100 was kept and the hazels never delivered. On the other hand, I suppose that the experience with black walnuts means that they do not do so well on the whole in Connecticut as they do in the rich lands farther south and west.

I have seen the Thomas walnut bearing nuts at three years in the Jones Nursery, and in Indiana I have seen the grafted black walnuts outgrow apple trees just as was described in the photograph, consequently the matter gets to be one of locality.

At Stamford there are some native black walnut seedlings which bear and fill the nuts well every year. On the other hand my Stabler, Thomas and Ohio black walnuts either as Nursery stock or when used for top-working on native black walnuts, do not bear promptly or fill their nuts well. In fact the subject is an elaborate one and our data not yet sufficient for good conclusions.

Some of my grafted hickories have done what was expected of them and others have been disappointing with slow growth and delayed bearing.

ROBERT T. MORRIS

New York City.

Photographs Absolutely True

Mr. Montgomery does not know whereof he speaks when he says those photographs are fakes. As a matter of fact, Mr. Jones carried the same on the front page of a supplement to his catalogue a few years ago, and it is strange that while he was alive no one questioned the accuracy thereof. I am in the picture standing beneath the black walnut tree, which is a Thomas. I forget the name of the gentleman standing by the apple tree. I believe he was the farm manager for the school.

At the time the photographs were taken it was so late in the day that I doubted whether good photographs could be taken. There were alternate rows of walnut and apple trees with corn between. Any of the trees there growing would have shown the same result if photographed; but these two were standing opposite each other in adjoining rows where the corn did not obstruct the view.

The photographs are absolutely true and correct representations of the trees as they then were, as all the rest were in that orchard, the walnuts way ahead of the apples.

There were present, other than the two of us photographed: Mr. and Mrs. J. F. Jones, and I believe their daughter, Mildred; Mrs. Weber and her parents, Mr. and Mrs. Mar-

tin B. Rush, Mr. and Mrs. John W. Hershey and others to me unknown.

I had heard of this grove and made the trip to be convinced that what I heard was correct. I believe the walnut trees came from the Nursery of Mr. Jones; but that he had not seen the orchard until we all went together. He was as much surprised as the rest of the party. It was he who took the pictures. The only inaccuracy is the statement that the photographs were taken at the Jones Nursery which no doubt was inadvertently made by you.

I also disagree with Mr. Montgomery, as to the slowness of growth of black walnut and hickory trees as contrary to my experience.

HARRY R. WEBER

Cincinnati, O.

Better and Faster Than Apple

Col. Montgomery's experience with the black walnut has been very different from mine here, where the trees grow about as fast as apple trees and bear much better. So far as I have observed in a number of other locations, they not only bear much better than apple trees but grow much faster.

WILLARD G. BIXBY

Baldwin, L. I., N. Y.

No Fake About the Picture

I do not believe there is any fake about the picture in question, if for no other reason than that this picture was used by the late J. F. Jones in his catalogue, which I have before me now. I knew Mr. Jones personally for about sixteen years, during which time I had many personal talks with him, much correspondence, and quite a few business deals, and I never knew him to knowingly misrepresent or exaggerate anything. I always considered his word 100%.

Neither do I question Mr. Montgomery's word about his own trees of which I know nothing, but I do not believe it fair to any industry to compare the whole industry and doubt others' success, by one's own experience.

When I received the April issue of the *Journal* I noted this page and passed on without even a thought of exaggeration or even of it being very unusual; for I believe the equal of this comparison in size and bearing could be found in many places. I have in mind now near here an apple orchard, and a number of walnut trees all planted about the same time on same kind of soil and very near each other where the walnut trees are much larger than the apple trees.

As to the Thomas walnut tree referred to bearing 123 nuts at five years old, this is of course good; but no doubt there are many budded walnut trees that have borne as well. My own trees have not had a chance to make any bearing record, due to having been cut for budwood and graftwood each season; but some of them have borne unusually well for the chance they have had, comparing very favorably with this tree. I have also seen trees in other sections bear-

ing excellent growth and bearing remarkably well.

J. F. WILKINSON

Rockport, Ind.

What President Neilson Says

I have read with interest the comments of Mr. Robert H. Montgomery regarding the growth and bearing habits of black walnuts on his property, and regret to note the poor results he obtained. That Mr. Montgomery's experience is not a general one is proven by the existence of trees and plantations which have borne early and have made a good growth. One of the best examples of early bearing and productiveness was noted by the writer on the grounds of the Horticultural Experiment Station at Vineland, Ontario, Canada. In this plantation there is one tree, a Ten Eyck, which was planted in the spring of 1922 and which bore 197 nuts in the autumn of 1926. This tree also made a rapid growth, being about 14 feet tall with a spread of branches equal to its height. The writer has not had an opportunity to observe closely this tree since then but knows that it has grown well and borne good crops of nuts. Other trees of the same variety and other varieties have also done well in growth and fruitfulness in the same plantation.

In the state of Michigan there is a grove of 50 acres of black walnuts owned by Henry D. Wallace, Detroit. The majority of these trees have grown fairly well and some have reached a bearing age. There are also several good grafted black walnuts on J. H. Heurser's farm, at Hartford, Mich., which have grown well and borne fair crops of nuts.

It is not usually a safe policy to cite records of good growth and productiveness, or the lack of either, on the basis of the behavior of individual trees or plantations. There are so many available factors which may modify these characters that one is likely to get all sorts of results. In some cases where soil, site and cultural practices are good, exceptional results may be produced; but in others, where these desirable conditions are lacking, poor results are almost certain to follow. Because of this situation I cannot accept Mr. Montgomery's statements as being typical of all black walnut trees or plantations. There certainly are many individual trees and some groves where growth and fruitfulness are all that could reasonably be expected.

J. A. NEILSON, President
Northern Nut Growers Assn.

East Lansing, Mich.

An Eye-Witness Testifies

This picture was taken in August of the year of the convention in Lancaster or Easton, I forget which. I know Harry Weber and Mr. Jones called on us here in Downingtown and we three ran over to see the Westtown schools and took the picture with Mr. Jones' old German camera. The people in the picture are Mr. Weber, and Mr. Edgerton; the latter is orchard man at the schools.

The following is a measurement of the trees taken in the fall of 1929: "On the orchards of the Westtown Schools in southeastern Pennsylvania is a setting of Thomas blacks which is the most rapid growing variety known. Thirty odd trees, eight years old have all made a remarkable growth with a clean trunk 5 to 8 feet high. Their diameter, 4.5 feet from the ground measures

Engraving Which Caused a Black Walnut Controversy



BLACK WALNUT CULTURE IN NORTHERN STATES

Results attained in a Pennsylvania Test Orchard—Five-Year-Old Thomas Black Walnut Tree and Wealthy Apple Tree of Same Age, Photographed at Same Distance from the Camera. One Hundred and Twenty-Three Walnuts Were Counted on This Tree, While the Apple Tree Had Few Apples.

Engraving Reproduced from April Issue of *American Nut Journal*, Originally in Catalogue of J. F. Jones Nurseries, Lancaster, Pa.

Description of above engraving, as published by the late J. F. Jones, Lancaster, Pa., in his Nursery catalogue of spring 1927, is as follows:

"The Westtown School, Westtown, Pa., planted an orchard of my grafted black walnuts in 1922, and put in early bearing apple trees of the Wealthy variety as fillers. The walnut trees are much larger and bearing much better than the apple trees. We counted 123 nuts on one of the walnut trees and most of them were fruiting, while few of the apples were bearing and most of these had only a few specimens of fruit on them. The photo on the left, with Mr. Harry R. Weber, Ex-President of the Northern Nut Growers Association, Cincinnati, O., in the foreground, shows one of the Thomas Black Walnut trees and the one on the right shows one of the largest apple trees taken the same distance from the camera. This shows Mr. J. P. Edgerton, the Westtown Orchard man, in the foreground."

(of six average trees measured) minimum 5 inches, maximum 5.9 inches, the average being slightly over 5.3 inches. Many measured from seven to eight inches diameter, eighteen inches from the soil. The reason for the marked difference was the failure to prune the lower limbs until five years old. The height runs from 18 to 25 feet."

Here is another one from J. F. Jones' test grove, measurements taken at the same time: "One individual Ohio walnut tree, 12 years of age, near Lancaster, standing on the edge of a test grove (with trees 30 ft. from it three ways) has a measurement at 12 years of age, three and a half feet from the ground, of 16 inches in diameter, with a height of at least twenty-five feet. A higher measure could not be made because it heads out at five feet and the enlargement would give a misleading dimension. What is more, the Ohio has been bearing since only a few years old. Under my observation it bore three bushels at 10 years of age and a half bushel last year with a two and a half bushel crop this year in an off nut year. While the seedling nuts go begging for a market at \$1 per bushel, the grafted ones sell readily for \$5 and more."

To this I will add the measurements made

in my test grounds on a row of thirteen trees, 6 years old, with Nursery stock planted three and a half feet from them on each side: Two made the light growth of 1.9 in., diameter, 4½ feet from the ground, the largest measured 3 in., the balance making from 2.1 in. to 2.3 in.; their height running from 12 to 15 feet. In a block of 2000 Thomas trees 3 years old, planted 10 inches on the row, on rows four feet apart, the majority run from 8 to 10 feet high with a diameter at 4½ feet from the ground averaging 1.1 inches.

The above measurements of these grafted trees is an average of many settings over the eastern United States and warrant consideration.

To this I shall add the most interesting figures from the pen of Dr. Frank Baum, taken from his run of Thomas black walnuts, in his 1200 tree setting in the fall of 1929: "Here are the measurements of two of my trees, 4 years old, 12 feet high: Caliper at 3½ feet 2½ inches; at 8 feet ¾ inches. Second one 14 feet high, caliper at 3½ feet 3½ inches; at 8 feet, 1 1/8 inches."

Are these as large as apples? Let the "Doubting Thomases" get busy and measure up their apple trees. Mr. Montgomery re-

(Continued on page 250)

AMERICAN NURSERYMAN

American Nursery Trade Bulletin



CHIEF EXPONENT OF THE AMERICAN NURSERY TRADE

Featuring the Nursery Trade and Planting News of American and foreign activities as they affect American conditions. Fostering individual and associated effort for the advancement of the Nursery and Planting Industry.

Absolutely independent.

OFFICIAL JOURNAL
PACIFIC COAST ASSOCIATION OF NURSERYMEN
Largest District Organization in the Trade
ILLINOIS STATE NURSERYMEN'S ASSOCIATION
Leading State Nursery Trade Organization

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To Foreign Countries and Canada	3.00
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ADVERTISING RATES on Application
Advertisements should reach this office by the 10th and 25th of the month previous to the date of publication.

If proof of advertisement is desired, time should be allowed for round trip transmission.

ROCHESTER, N. Y., JUNE 1, 1930

FOUNDER OF AMERICAN NURSERY TRADE JOURNALISM

THE FIRST Nursery trade paper in America was established in 1896, as long-time Nursery concerns know, and for nearly thirteen years was conducted under the personal and exclusive direction of Ralph T. Olcott, of Rochester, N. Y., who later founded the AMERICAN NURSERYMAN on broad and untrammelled lines.

"The dean of Nursery Trade Journalists."—John Watson.

A Policy Roundly Echoed

"Cultivated Americans, impatient with cheap sensationalism and windy bias, turn increasingly to publications edited in the historical spirit. These publications, fair-dealing, vigorously impartial, devote themselves to the public weal in the sense that they report what they see, serve no masters, fear no groups."—Time Magazine.

Sound Distribution

"Distribution has been much stressed, perhaps correctly, by executives, organizations and business analysts as the present main problem of industry. Nevertheless, I am of the opinion that there can be no sound distribution that is not based on sound production.

"To find and serve a market is to presuppose a capacity to produce economically, wastefully. Buyers have a way of seeking out the producer who best serves them at the factory."—Charles Ault, Auburn, Me.

BOUGHT ON MERIT

The circulation of the "American Nurseryman" is bought by readers solely on editorial merit. It is never sold through schemes—cut rates, "clubbing," premiums and deferred payments never being employed.

The Mirror of the Trade

EXTENSIVE GRAFTING CAMPAIGN

That there is keen interest in the possibilities of top grafting walnuts and hickories in Michigan is shown by numerous requests for demonstrations made to the Horticultural Department of the Michigan State College. In all one dozen demonstrations have been arranged for by James A. Neilson, nut specialist of the department, in cooperation with county agents in southwestern Michigan. These meetings have been well advertised and will be held between the dates of May 9th and 21st.

In addition to these public meetings the Horticultural Department plans to graft several hundred walnuts and hickory seedlings to choice varieties or strains suited to these species. A special effort will be made to propagate the best strains brought out by the nut tree survey during the season of 1929. In addition to these good sorts of local origin several promising strains have been brought in from other parts of the United States and Canada.

Tariff and other discussions in Congress may prevent consideration or even introduction of such measures as that of provision for an extension nut culturist [A. N. J. April p. 56] which U. S. Senator McNary has in mind. It was John W. Hershey's call at the office of Senator McNary in January and his suggestion of the idea that resulted in the senator's petition to the U. S. Dept. Agr. for an extension nut culturist.

A PRACTICE THAT PAYS

"We sell to Distributors only" is the wording of the announcement by the Mount Arbor Nurseries, Shenandoah, Ia., to emphasize the practice of that concern with regard to wholesale and retail business. It is a forceful conservative declaration of particular interest at this time of dire complaint by retailers regarding conditions they meet in regular course of business.

"We do not sell at wholesale to retail buyers" is along the same lines; it is the announcement which accompanies every trade journal advertisement by C. R. Burr & Co., Manchester, Conn.

The announcement by Jackson & Perkins Co., Newark, N. Y., in its trade advertisements "Wholesale Only" places that concern on record as indorsing and practicing the principle of trade ethics involved.

These instances illustrate the force of the argument in a recent issue [A. N. Apr. 15, p. 179] by Josiah J. Hazen and constitute full indorsement of the points made by Mr. Hazen.

The value of such announcements in trade journal advertisements as we have quoted (practice, of course, strictly conforming thereto) is shown by Mr. Hazen's statement: "I know of one order of over \$2000 that went to a certain Nursery largely because it declined to quote or sell direct to a retail buyer."

IT IS the character of the matter to which the attention of the reader is directed—rather than the quantity—that counts.

Discerning readers value this discrimination.

Burke said: "For goodness' sake, let us pass on!"

CONGRESS PASSES PATENT MEASURE

The plant patent measure, resulting from the earnest efforts of the A. A. N. committee on the subject and those of other horticultural organizations has been passed by both branches of Congress and awaits the President's signature.

Sponsors of the bill are to be congratulated upon the result of their persistent work—a result that should greatly encourage efforts along other lines needing legislative or other official favorable action.

ITALIAN NURSERYMEN RUSHED

In the world-wide interest which attaches to the celebration in Italy by a six-months tribute, of the 2000 anniversary of the birth of the poet Virgil in Mantua, October 15, an event of special significance to Nurserymen is the fact that Italian gardeners are "furiously busy planting the Lucus Virgili (Virgilian Wood) a great new park on the outskirts of Mantua, a modern version of the sacred groves of the ancient Romans to honor their gods and goddesses. Because, says Time magazine, Poet Virgil mentioned 25,000 trees, shrubs and plants in his lengthy lays, specimens of these are being planted in the Lucus." Italian Nurserymen must be rushed in the search to supply this unusual demand for kinds of stock—an experience quite unlike that attending observance of anniversaries and special "days" in America.

Horticultural Census Plans

Appointment of E. L. D. Seymour, associate editor of F. E. and H. T. W. as chairman of the Advisory Committee of Trade Interests on the 1930 Census of Horticulture, soon to be made by the Government, was announced May 13 by the United States Bureau of the Census. Mr. Seymour will represent the trade press and florist interests, serving, in the latter connection, on behalf of A. T. De La Mare, chairman of the S. A. F. Census Committee. William Flemer, Jr. of the Princeton Nurseries, Princeton, N. J. and chairman of the Executive Committee of the A. A. N. was named to represent the Nurseries; David Burpee of the W. Atlee Burpee Co., Philadelphia, will represent the seed trade; W. A. Sperling, secretary of Stump & Walter Co., New York City, will act for the bulb trade, and Dr. L. C. Corbett of the Bureau of Plant Industry will represent the Department of Agriculture on the Advisory Committee.

The Bureau now has under consideration a recommendation that six schedules should be used in the special mail canvass, these covering respectively: (1) Flowers, plants and vegetables grown under glass and flowers grown in the open; (2) flower and vegetable seed production; (3) Nurseries; (4) bulb farms; (5) mushrooms; and (6) Blueberries (including Huckleberries). Tentative schedules have been prepared and will be printed as soon as approved; mailing lists are now being compiled and the schedules will be sent out early in June.—Florists Exchange.

The manager of the Magic City Nursery Co., Birmingham, Ala., Joe Spencer Smith, died suddenly last month. In two years' time he had developed the Nursery to the extent of 75 acres.

Another Question of Ethics Arises

Showing Again the Immediate Need of Radical Correction of American Association of Nurserymen Policies

Editor American Nurseryman:

The new book, "Landscaping the Home Grounds," by L. W. Ramsey, is already attracting considerable favorable comment from Nurserymen and the general press all over the country. Some of the large Nursery concerns are considering special editions to use in advertising. This morning from the West Coast comes a letter from a practical Nurseryman: "This book is the best of its kind to date without exception."

Some few Nurserymen, we understand, have said that because of his connection with the American Association of Nurserymen, Mr. Ramsey should turn over the proceeds of his book to the association.

In justice to Mr. Ramsey and to his book, it should be said that no part of the material in "Landscaping the Home Grounds," text or illustrations, is the property of the association, nor was prepared for or by the association. Specializing as it does in Nursery advertising, Mr. Ramsey's office has, of course, a large supply of its own photographs and other materials prepared at considerable cost. From its own stock, the Ramsey Company has loaned generously to the A. A. N. without charge, but we are assured that any and all material prepared for the Nurserymen's Campaign is immediately stamped with the A. A. N. name and never used for any Ramsey Company material other than for subscribers who have contributed to the Campaign.

Furthermore we may say, as Mr. Ramsey's publishers, that in order to allow a low selling price, so as to give his book the widest possible general distribution (to the benefit of the Nursery industry) and to enable us to make attractive prices to Nurserymen themselves for quantity purchases, Mr. Ramsey accepted extremely modest royalties. For this reason, it is doubtful if his return from "Landscaping the Home Grounds" will repay even the actual money he has spent

to prepare the book, to say nothing of his own time and the experience required.

His purpose in writing the book was essentially to help the cause of home planting. The book is his own material entirely; the Nursery industry owes Mr. Ramsey a debt of gratitude for the unquestionable impetus it will give to sales of plant material. Most Nurserymen recognize this and many are planning to use the book definitely in special editions to increase their own businesses.

H. A. STEVENSON, Manager
Horticultural Department
The Macmillan Company

New York City
May 24, 1930

A question of ethics is involved in the complaint registered in the second paragraph of the above communication, as coming from Nurserymen presumably members of the American Association of Nurserymen.

Members of the American Association of Nurserymen should realize that, regardless of the merits of the particular criticism above referred to, the association is not now and for a long time has not been in tenable position to cite the application of ethical principles to the action of others. Its influence in matters of this kind has been reduced to low ebb by practices which have grown up within the organization.

The subject need not be pursued at this time. We have assurances that radically corrective measures will be applied at the Minneapolis convention of the association, so that in time the influence of the organization may have force in matters of legislation adequate to the needs of the trade, as well as in numerous instances of ethical observance generally.

A Question of Nursery Ethics

Editor American Nurseryman:

An increasing number of prospective customers are asking for wholesale prices, and some of them claim that "other" nurseries are granting them wholesale prices for various reasons; to grain dealers, for instance. Others give the names of Nurseries which have granted them wholesale prices and they feel they should also get wholesale prices from us.

I wrote to a Nursery in Ohio after a Mr. H. M. Davison advised me that this Nursery furnished him shrubbery and perennials at wholesale, but the Nursery answered me as follows: "We have checked up our records and do not find where we have ever done any business with him."

In case any one should state that The Garden Nurseries or A. E. Wohlert gives wholesale prices to retail buyers, you may take for granted that they are much mistaken or just plain liars. I believe it behooves all Nurserymen to check up very carefully on prospective buyers who want to ring in as Nurserymen.

A. E. WOHLERT
The Garden Nurseries
Narberth, Pa.

Have you saw it in "American Nurseryman"

Special Importations Limit

Provision is made in Regulation 14 of the Rules and Regulations supplemental to Quarantine 37, Nursery Stock, Plant and Seed Quarantine, for the importation under permit "in limited quantities and under conditions and safeguards to be prescribed in such permits, of Nursery stock and other plants and seeds * * * for the purpose of keeping the country supplied with new varieties and necessary propagating stock or for any necessary experimental, educational or scientific purpose."

Ten years have elapsed since this quarantine became effective and it is now believed that the horticultural interests of this country have had ample opportunity to build up stocks of standard varieties of plants and adjust their operations to the new conditions which followed the promulgation of the quarantine in 1919. It appears that this period of readjustment has largely passed, since most growers have recently confined their requests for special permit stock to small quantities of new species and varieties or novelties. It is evident, therefore, that there is no necessity for the continued assumption of needless pest risk through further importations of these restricted plants in such large numbers as has heretofore been permitted.

The new limitations, effective July 1, 1930, fix the maximum quantity of each genus or type that may be imported for propagation by any permittee in any one year. Within this maximum quantity, species and named varieties not available in the United States may be imported in any quantity desired.

For example, a permittee may import 1000 rose plants of any one variety not already available in this country, or one or more plants of several such varieties, provided his total rose importations for the year do not exceed 1000 plants. Moreover, a permittee may exhaust his limit each year thereafter in making further importations of such varieties, until they have become available for propagation purposes in the United States.

Special Lots of Seedlings

Many inquiries were received this spring concerning the special lots of tree seedlings made available through the South Dakota Nurserymen's Association. These were obtained by communicating with the headquarters of the association at Colton, S. D. One lot of trees was sold for \$3.25 while another lot, especially prepared for rural school plots, was available for \$5. The association is composed of the Nurserymen of South Dakota. They cooperated in this endeavor for the purpose of encouraging tree planting. The lots of seedlings were offered to the people at a price that is considerably below actual cost.

Olaf Dannesboe, San Diego, Cal., Nurseryman, has sued the Oil Products Company for \$5000, claiming that the company delivered 3000 gallons of fuel oil that proved one-third water, damaging his heating plant and causing loss of valuable crops which were denied needed heat.

From Unadilla, N. Y., we hear that Charles Jackson, Unadilla Nurseries, who has this spring landscaped the grounds of Congressman Clarke, the Masonic Temple and the D. M. Ferry estate has "the largest variety of Nursery stock in New York State."

Plant Patent Promoters

Paul Stark, Louisiana, Mo., suggests that expression of appreciation of the efforts of those directly active in the passing by Congress of the plant patent bill would be appreciated by them and cites the following as especially deserving of the thanks of the commercial horticultural industry:

Sen. John G. Townsend, Jr. (sponsor of bill), Senate Office Building, Washington, D. C.

Hon. Fred S. Purnell (sponsor of the bill), House Office Building, Washington, D. C.

Sen. Charles W. Waterman, Senate Office Building, Washington, D. C.

Hon. Albert H. Vestal, chairman House Patent Committee, House Office Building, Washington, D. C.

Hon. Arthur M. Hyde, Secretary of Agriculture, Washington, D. C.

Hon. Thomas E. Robertson, Commissioner of Patents, Washington, D. C.

Everglades Park—The project for a national park in the Everglades section of Florida, previously referred to in these columns, is the subject of recent discussion in connection with a bill for investigation regarding the project passed in Congress at the instigation of Senator Duncan A. Fletcher.

Vulnerable Chestnuts Made Immune to Blight

By G. A. Zimmerman, Harrisburg, Pa., After Years of Persistent Endeavor—Will Soon Have Plenty of Chestnuts for His Own Use—Other Research

Editor American Nurseryman:

Answering yours of recent date, relative to my work on the chestnut blight, I wish to say that my results are extremely satisfactory, far more so than I dared hope for during the beginning of the experiments.

I have during the past few years put an immunity into some of the most vulnerable chestnuts that we have, like the Rochester, Fuller, Paragon, etc., that is equal to that of any Chinese chestnuts that I have seen, and which took perhaps thousands of years to acquire in the natural way.

So far as I personally am concerned I have removed it from the experimental stage, have abandoned a lot of the work that I was fooling with and am doing none now except that which will lead to practical results.

I had more chestnuts last fall from a couple of immunized plants than I have had in all these years from all my Japanese and Chinese chestnut trees put together. Almost every one of those nuts has germinated now and some are planted.

My trouble up to this time, and still exists, is to get stock that is sufficiently resistant to work with. If I take scions from an immunized plant, graft on to the native American stock, the stock soon dies after grafting it and of course going with that is the graft also. When I started this work, I had expected to immunize three or four of the best plants. Now I have some 40, and perhaps half of that number is well under way.

Incidentally I have abandoned all hope of other methods that I had in mind. Building up an induced immunity is the easiest and most satisfactory, and in fact the only method that I can see that will ever give us an American chestnut again during our lifetime regardless of what others may say about the chestnut coming back.

It will take from 20 to 150 years yet, according to my experiments, before the native chestnut has acquired enough immunity ever to keep it from dying back to the ground, and there are very few of the roots that will remain alive during that time. The root systems of the native chestnut are gradually giving way under the constant strain of dying back, growing out and again dying back, and so on.

A practical method would be to select small areas where some of the sprouts were coming along, inject a lot of those trees in those areas. They could soon be raised to the point where while they might blight, would not die back. Then if the nuts were given a little care, new sprouts would soon develop from the seed, thereby replacing the others. This, however, is too big a job for one man, and especially when he has to make his living at something else.

I have the chestnut now so well under way that in a very few years I will have plenty of chestnuts for my own use, and am therefore turning my attention to other things largely,—namely the pear blight and black knot on the plum, which have put the pear and plum out of business in my district, and which work I started a couple of years ago.

In addition I want to start about half a dozen or so other experiments this summer. I guess some of our good friends who were so shocked and probably thought I was a little off in the noodle when I started with the chestnut blight, would think I am about ready for the bug-house now, if they ever hear what I have started out to do.

G. A. ZIMMERMAN

Harrisburg, Pennsylvania.

Other Important Chestnut Work In the East

By Robert T. Morris, 114 East 54th St.
New York City

So many letters are being received relating to the hybrid chestnuts which I showed at the recent meeting of the N. N. G. A., that I am answering them all together in this contribution.

Something over twenty years ago when the chestnut blight became a serious matter in Connecticut I looked for resistant species and varieties for the purpose of making hybrids. Twenty-six different kinds were brought together on my country place at Stamford, Ct. The report here must consist of running comments rather than accurate records because of the loss of my notebooks on the occasion of a fire in the office.

By way of hand pollination a good many hybrids were made between various species and varieties of chestnuts. The most notable of these relate to crosses made by placing pollen of the American sweet chestnut upon pistillate flowers of the chinkapin. In fact the chinkapin has been the mother plant of all of my *Castanea* hybrids

because of its conveniently low form. The chinkapin has been highly resistant to blight but its nuts of best quality are too small for commercial purposes.

The American sweet chestnut crossed with the chinkapin gave hybrids of two widely different types. The ones which promised to develop in large tree form and with large nuts of high quality were particularly vulnerable to the blight like the sweet chestnut parent. Hybrids representing the chinkapin parent on the other hand proved to be resistant to the blight and to carry the chinkapin characteristic of early and prolific bearing. The nuts carried high quality like that of both parents but were for the most part small.

Out of the large number of hybrids in this group I chose only two which were valuable for size of nuts, quality and blight resistance and therefore worthy of being propagated.

Hybrid No. 1 at first bore one nut to the burr but of later years carries two or three nuts to the burr regularly. The burrs oc-

cur singly or in small clusters, like those of the American sweet chestnut.

Hybrid No. 2 on the other hand has continued to bear clusters of burrs in the form of a long raceme with one nut to the burr as a rule.

The nuts of Hybrid No. 1 ripen about September 18th and the nuts of No. 2 ripen about the first of October at Stamford.

The leaves of No. 1 and No. 2 are much larger than those of either parent. The trees promise to become larger than others of the chinkapin type.

Bearing began as I remember about the fourth year from seed.

All of my hybrids have been grown in the midst of dying American chestnut trees or their dying stump sprouts which appeared subsequently. Consequently the test has been a severe one.

Hybrids No. 1 and No. 2 now and then showed the beginning of blight at the site of a wind crack or squirrel scratch perhaps on smaller branches. When these were cut out the blight did not extend.

At about the thirteenth or fourteenth year both No. 1 and No. 2 showed blight near the base of the trunk. I cut the trees down and the vigorous sprouts from their stumps were bearing again two years later. The largest ones of these have again shown signs of blight near the base and I shall cut them out preparatory to experimental treatment to be noted later on in this article.

No. 1 and No. 2 have borne at least fifteen annual crops of nuts during about twenty years and consequently would have been profitable as a commercial proposition, regardless of the interruptions caused by blight.

Hybrid No. 3 is remarkable in several ways. It has very large leaves of peculiar bluish-green effect caused by soft gray pubescence on the under side suggestive of leaf color arrangement in the golden chinkapin of the Pacific Coast. The leaves are much larger than those of either parent and this hybrid promises to make a large and wonderfully beautiful tree.

Its blight history is that of No. 1 and No. 2, but it has grown in height as much as five feet in a single year.

The nuts are quite as peculiar as the leaves in their lack of resemblance to the nuts of either parent. They are strongly suggestive of the golden chinkapin both in the way in which they are borne in clusters and because of their rounded triangle in shape and squat appearance. Though small they are delicious.

Nuts do not appear until the tree is perhaps twenty-five feet in height and they are not borne abundantly as yet. I do not know what the future history of this Blue-green will be and it may bear more profusely in later years, but as an ornamental tree it is bound to be a beauty when grown out of the region of blight or when blight loses its virulence in the east. It resists disease pretty well anyway.

Sometimes when sending out descriptions I have called No. 3 a cross between the

Continued on page 250

SEEDLINGS

Clean Coast Grown

We are now ready to book your Seedling orders for

APPLE—Straight or Branched
CHERRY—Mazzard or Mahaleb
PEAR—French, Ussuriensis or Winter Nelis
PLUM—Myrobalan
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Hill's Evergreen Plate Book
50 four-color process prints from photographs, 40 Evergreen pictures, 10 Shrub pictures. Size 5 1/2 x 9 in. Loose leaf. Cloth binding, \$3.75. Leather, \$4.50. Post-paid. Great help in selling. Order for your salemen. Money refunded if not satisfied.
D. Hill Nursery Co.
Evergreen Specialists • Largest Growers in America
DUNDEE, ILL.

PIN OAKS are Scarce

YES, but there is a plentiful supply at "The Cole Nursery Company". **Five thousand (5,000)** beautiful trees in grades from 6 to 8 feet up to 2 inches. Also a few hundred on up to 5 inches.

Right Prices—May We Quote You the Quantities Needed

SUGAR MAPLE—In contrast to the Norway Maple outlook, all large nurseries are prophesying a continued shortage of Sugar Maple. This grand old native tree will always be in great demand. **Cole** has 20,000 Sugars, exceptionally well grown trees, 6 ft. to 8 ft., 8 ft. to 10 ft. and 10 ft. to 12 ft. Dirt cheap for quick sale.

MORE GOOD SHADES

2,000	Sugar Maple	1 1/2" to 5"
20,000	Silver Maple	All sizes
3,000	Wier Maple	6' up to 2 1/2"
2,000	Ailanthus glandulosa	6' up to 2 1/2"
10,000	Catalpa bungei	2 yr. heads
5,000	Tea's Weeping Mulberry	2 yr. and 3 yr. heads
10,000	European Sycamore	All sizes
10,000	Lombardy and Bolleana Poplar	All sizes
3,000	Salix babylonica	6' to 8' and 8' to 10'
2,000	Salix niobe	6' to 8' and 8' to 10'
5,000	American Elm	6' up to 2 1/2"

ALSO QUALITY SHRUBS, EVERGREENS, FRUITS, IN FACT

"Everything that's Good and Hardy"

THE COLE NURSERY COMPANY

Forty-nine years at Painesville, Ohio

PORTLAND ROSES

2-Year, Field-Grown, Budded Stock

BROADLEAVED EVERGREENS CONIFERS
FLOWERING SHRUB ROCK PLANTS
HARDY PERENNIALS HARDY VINES

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Andrews LATHAM Raspberry

MOSAIC-FREE STOCK—RELIABLE

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Japanese Roseflowering and Weeping
Cherries, Flowering Crabs
All Sizes

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1930-1931

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American Nurseryman
Reaching Readers in Every State

THE AMERICAN ASSOCIATION OF NURSERYMEN

Is accomplishing much for the Nursery Trade.
With a record of fifty-three years of service.

Practical departments and active committees.

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President—A. M. Augustine, Normal, Ill.

Write **CHARLES SIZEMORE**, Secretary, Louisiana, Mo., for full particulars.

CONVENTION DATE: JULY 15-17, 1930, HOTEL NICOLLET, MINNEAPOLIS, MINN.

Unite with Seven Hundred Representative Nurserymen throughout the country to protect your interests and advance your business. Only Nurserymen of high ideals are eligible to membership.

Vice-President—John Fraser, Huntsville, Ala.

A Great Surprise Awaits the Japanese Beetle

Moorestown, N. J., May 14—A great surprise awaits the Japanese Beetle this summer when it emerges from the ground. It will find one of its strongest Oriental foes firmly entrenched in the same territory where it has romped undisturbed for nearly fifteen years. During the last eighteen months, the entomologists at the Japanese Beetle Laboratory at Moorestown have successfully planted 130 colonies of the *Tiphia popillivora*, a parasitic enemy of the beetle in strategic points in eight counties in both New Jersey and Pennsylvania with the sole object of bringing the beetle ultimately under control, in the United States, as it has been checked in Japan.

Since August, 1928, the Japanese Beetle Laboratory has planted colonies of this one species of parasites in the counties of Burlington, Mercer, Camden, Gloucester, Atlantic, Bucks, Delaware, Montgomery and Philadelphia, with isolated colonies at Harrisburg, New York and New Haven.

Herbert P. Freeman, veteran Nurseryman, Rochester, N. Y., died May 26, aged 75. For more than twenty years he was sales manager for Chase Brothers Co.

Motion Pictures of Plant Growth—An elaborate motion picture plant for taking micro-motion pictures of plant cells in the process of growth and making cinema records of the growth of root hairs and plants invisible to the naked eye has been installed at the Boyce Thompson Institute for Plant Research, Yonkers, N. Y. Complete action pictures of the behavior of the food-absorbing mechanisms of plants will be taken.

Barberry Eradication—Dr. Royal J. Haskell has been appointed extension plant pathologist, Office of Cooperative Extension Work, U. S. Dept. Agr., effective May 16, 1930. He succeeds Fred C. Meier who recently was placed in charge of the new office of Barberry Eradication, Bureau of Plant Industry. Dr. Haskell comes to the extension field from the Bureau of Plant Industry where, as head of the Plant Disease Survey, for several years he has been in close contact with plant disease control problems.

Borer Thick as One's Finger—Dr. E. P. Felt, Director of the Bartlett Tree Research Laboratories, Stamford, Conn., states that a borer is causing serious rhododendron injury. The full-grown borers are about two inches long and as thick through as a man's finger. They work at the very base of the stem and in the larger roots within nine inches of the stem, digging broad, oval "galleries" and destroying the smaller roots.

This rhododendron pest is capable of causing much injury through a series of years. Affected plants are most easily recognized by the sparse, sickly foliage and the weak stems. The possibilities of control are now under investigation at the Bartlett Laboratories.

A steady consistent advertising program, planned with even an average degree of intelligence never fails to get results that are favorable to the business. Erratic, spasmodic, unintelligent advertising, the kind that is constantly changed and under high pressure is aimed first in this direction and then in that may prove really disastrous. There is absolutely nothing wrong with advertising. There is often a lot wrong with the advertiser. —Penn, Boston Florist.

AMERICAN ASSOCIATION OF NURSERYMEN

Chas. Sizemore, Louisiana, Mo., Secy.

On the first day of the Minneapolis convention, July 15, there will be a half-day session in the afternoon. There will be sessions morning and afternoon on the second day, July 16. On July 17 there will be a half-day session in the afternoon.

The annual banquet will be held on the evening of July 16.

A principal speaker for the second day will be E. St. Elmo Lewis, Detroit, Mich., whose subject is "What of the National Advertising Campaign."

TRANSPORTATION

Class I railroads in the first three months of 1930 had a net railway operating income of \$176,253,624, which was at the annual rate of return of 3.56 per cent on their property investment, according to reports just filed by the carriers with the Bureau of Railway Economics. In the first three months of 1929, their net railway operating income was \$259,323,783 or 5.35 per cent on their property investment.

Property investment is the value of road and equipment as shown by the books of the railways, including materials, cash and supplies. The net railway operating income is what is left after the payment of operating expenses, taxes and equipment rentals but before interest and other fixed charges are paid.

This compilation as to earnings for the three months of 1930 is based on reports from 172 Class I railroads representing a total of 242,354 miles.

That the total cost of freight transportation on improved rivers and canals usually is and will continue to be greater than by rail, and that the development of inland waterways will adversely affect the national prosperity by increasing the total taxes that must be paid by the public more than it will reduce freight rates, was contended by Samuel O. Dunn, editor of the Railway Age, in a discussion of "Water Transportation Costs and Rates" at the recent annual meeting of the Chamber of Commerce of the United States.

William W. Carr, Yellow Springs, O., died May 7, aged 86. He was a well-known Nurseryman who had been in the business for 60 years. Surviving are his sons, O. E. Carr, Yellow Springs, and George Carr, Wichita, Kan., besides two daughters.

Are you preserving your copies of the AMERICAN NURSERYMAN? They are of unequaled historic value.

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On the main line of the Santa Fe from Chicago to California.

On Federal Highways 508 and 73W and just a short distance off transcontinental highway 40 and connected with it by a concrete slab.

A fine lot of

NURSERY STOCK

to show you and the assurance of a hearty welcome any time you come.

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WILLIS NURSERY CO.

Wholesale Nurserymen
OTTAWA, KANSAS

A REAL Nursery Salesman will WORK for YOU!



CONIGISKY'S HAND-COLORED VIEWS

The men who are now struggling along with a few orders a week, can be made into real Producers with

CONIGISKY'S SALES HELPS

Special Folders Combination Folders
Landscape Views Plate Books

WRITE FOR FREE DESCRIPTIVE PRICE LISTS

And startling information as to how this

MODERN EQUIPMENT

Keeps Salesmen Smilingly at Work

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Yes, you can secure and keep not only one but a strong force of real salesmen, if you will give them good tools to work with.

Why Try to Sell a \$2.00 Rose from a quarter-cent picture?

Why tie your salesmen's hands with cheaply devised and poorly executed illustrations, that fail to indicate the value and beauty of your products?

DO YOU WANT LANDSCAPE ORDERS?

You can get them by furnishing your Salesmen with Landscape Plate Books. All the worth, the beauty and the glory of your stock is shown in striking and vivid detail in

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SPECIAL OFFER

For only \$2.00 we will send you one Compact Folder of twelve hand-colored views, showing shrubs and evergreens, also two of our famous Plan Landscape Views and a large sheet of twelve plans for modern Porch Planting. Regular price of this material is \$6.70.

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IT IS THE POLICY OF THIS COMPANY TO DISCONTINUE MAILING COPIES OF THE JOURNAL IMMEDIATELY UPON EXPIRATION OF SUBSCRIPTION. RENEWALS OF SUBSCRIPTION SHOULD BE MADE BEFORE EXPIRATION IF FILES ARE TO BE KEPT INTACT, AS BACK NUMBER SUPPLY IS LIMITED. WATCH THE DATE. THE ONLY COMPLETE TRADE RECORD

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Cherry, 1 and 2 years
 Apple, 2 years, all grades
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 Shade and Ornamental Trees
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We have an unusually fine stock of **Hydrangea Paniculata Grandiflora**, 2 to 3 feet, and 18 to 24 inches. No mixtures. They have been grown to stakes and are straight and nice to handle.

Have a large supply of **Spirea Vanhoutte**, 3 to 4 feet and smaller. All choice plants.

Amoor River Privet, all grades.

Let us price your wants in any of the above.

J. H. SKINNER & CO.
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SCARFF'S NURSERY
 Headquarters for
 Small Fruit Plants
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Berry Plants — Ornamentals
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KOLKWITZIA AMABILIS
KOREAN SPIREA—RED BARBERRY
 in Lining Out Sizes
 Send for Wholesale Price List
W. N. SCARFF'S SONS
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SPECIALTIES—Small Fruit Plants
 Grape Vines, Currant, Gooseberry, Red and Black Raspberry suckers and Trans. Strawberry, Rhubarb, Asparagus.
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EVERGREENS

Seventy-five varieties, 1 foot to 7 feet in height. Also complete line of shade trees and shrubbery.
 Nothing stored—all freshly dug. Postal card will bring attractive prices on this stock.
Elmer Sherwood Nursery Co.
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 twice a month \$2.50 per year. Three years, \$6.
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"Your course pulled me out of the rut to financial success. It has put me in position to associate and do business with the best people. It has been worth many times its cost. I can truthfully recommend your school to any one who wants to take up landscape gardening."
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There is no better or quicker way for a Nurseryman to increase his profits than by becoming a Landscape Architect. Our home study course is very easily mastered by men with nursery experience and without interfering with present work.

OPPORTUNITIES ARE UNLIMITED
 You'll find success, prosperity and happiness in this uncrowded profession, and it will greatly increase the earnings of your nursery business.

SEND FOR FREE BOOKLET
 It gives complete details regarding our course and tells you how you may get started in this profitable field. Write us today.

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PECAN TREES

CAR LOTS our specialty, but we accept orders from nurserymen for any number of trees.

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 Monticello, Fla. Established 1902

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DECIDUOUS TREES

Ash, Catalpa bungei, American Elm, Chinese Elm, Moline Elm, Vase Elm, Teas Weeping Mulberry, Birches, Oaks, Sugar Maple, Cutleaf and Soft Maple.

Evergreens, Shrubs, Vines, Roses
 Perennials, Apple, Cherry, Peach
 Plum, Pear, Etc.

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NURSERY TOOLS

LEONARD FULL-STRAPPED SPADES
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ELM TREES

GET IN TOUCH WITH US BEFORE YOU BUY
PFUND-BELL NURSERY CO.
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As another season closes we wish to thank our friends who have helped to make this Spring very successful.

Princeton Nurseries

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A Loose Leaf

Plate Book

At the Price of a Map
 80 COLORED PAGES
 Special Sample Price \$2.00
PROCESS COLOR PRINTING CO.
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The Westminster Nursery

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Offers in carload lots or less:

CALIFORNIA PRIVET
 One and two year grades
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 One and two year grades
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 In excellent assortment
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A large supply of Thuya Pyramidalis, also lining out stock.
 Attractive prices will be quoted. Send us your want list.

WANTED We are short on the following:
 Strawberry, Raspberry, Grape, Plants, Roses and all Perennial Plants; Evergreens, Shade Trees, Flowering Peach and Cherry Trees; Shrubs of all kinds; Fruit Trees. The exceedingly dry weather ruined our growing stock. Send us wholesale catalog and price list.
UNITED STATES NURSERIES
 Wholesale and Retail.
 Linwood Station, Detroit, Mich.

Wireless Paper Labels
 PLAIN OR PRINTED
 Samples Free
OHIO NURSERY COMPANY
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YOUR BUSINESS ANNOUNCEMENT THE YEAR AROUND IN

The Mirror of the Trade

AMERICAN NURSERYMEN

Read from Cover to Cover

Will protect your interests in a medium used regularly by competitors and you need give the matter no further thought knowing that your sign is displayed day and night from coast to coast as Nurserymen repeatedly turn these pages in reference.

\$2.50 per column-wide inch per month (TWO INSERTIONS) under yearly term.

Forms close: 10th and 25th

AMERICAN FRUITS PUBLISHING CO. P. O. Box 124, Rochester, N. Y.

AMERICAN FRUITS

[Reg. U. S. Pat. Off.]

Aroused Over Apple Maggot

New York State Takes Measures To Meet
British Restrictions on Imports

Apple growers in the Champlain Valley and in the Hudson River Valley who look to the markets of Great Britain as an important outlet of much of their crop are greatly concerned over restrictions imposed by British authorities upon importations of American apples infested with the apple maggot. Fruit growers in Western New York are also looking with some apprehension upon the future of the apple export trade, although not so large a proportion of Western New York apples finds its way to England as is the case with the crop from the eastern part of the state.

Official recognition of the situation was shown recently in a conference at Boston of state officials and representatives of fruit growers organizations of New England and New York. At that time plans for experimental work with methods for combating the apple maggot more effectively were discussed, while a system of orchard inspection which would make possible the "certification" of apples to the English authorities was considered.

That New York State had already taken steps to aid its growers in meeting the restrictions imposed by Great Britain was shown by an outline presented by P. J. Parrott, entomologist at the State Experiment Station at Geneva, of proposed new lines of investigations to be inaugurated this season. A special appropriation of \$37,000 was made immediately available by the legislature for advancing this work.

Stark Bros. File Trade Marks—Stark Bros. Nurseries and Orchards Co., Louisiana, Mo., last month filed in Indianapolis the registration of the trade marks: "Starking," "Golden Delicious," and "Staymared."

AMERICAN NURSERYMAN, Chief Exponent, twice a month \$2.50 per year. Three years, \$6. Canada, abroad, 50c extra per year.



E. S. Welch, Pres.

**EVERYTHING THAT NURSE-
RYMEN NEED**
Can be supplied promptly from
our immense stocks. We sell
to distributors only. Write for
our new Wholesale Trade List.
One of America's Foremost
Nurseries
MOUNT ARBOR NURSERIES
Shenandoah, Iowa.

TREE CROPS

A Permanent Agriculture

By J. Russell Smith, Professor of
Economic Geography, Columbia Uni-
versity. Author of "North America."

A book for thinking persons, giving
a new angle to the warning that the
agriculture of the present is suicidal,
through erosion and exhaustion of the
soil. The need for crops from trees
which at the same time by their roots
preserve the soil is graphically shown.
Horticulturists especially should know
the contents of this book.

Postpaid: \$4.00

AMERICAN FRUITS PUBLISHING
CO., INC.

P. O. Box 124, Rochester, N. Y.

C. R. Burr a Bank Director

Says the Manchester, Conn., Herald of
recent date:

Clifford R. Burr, president and treasurer
of the C. R. Burr & Company, Inc., Nur-
serymen of the north end, and one of the
best known business men in Manchester,
was recently named a member of the board
of directors of The Manchester Trust Com-
pany. The growth of the Nursery business
from a small beginning to one of the princi-



C. R. BURR, Manchester, Conn.

pal industries in the town attests as to his
keen foresight and business ability.

Mr. Burr is also a member of the board
of trustees of the Manchester Memorial
Hospital.

Tree-Planting Advice—"Plant thick, thin
quick" was the conclusion of a recent group
meeting of park superintendents, declared
Henry Hicks, noted horticulturist, speak-
ing before the Fifth Annual Shade Tree
Conference held in Brooklyn, N. Y. Plant-
ing trees thickly provides protection against
drying wind and hot sun and run-off of the
rain. Thinning quick provides for the in-
dividual specimen to develop its full beauty.

Production of Lily Bulbs

In his recently issued circular on the pro-
duction of lily bulbs [A. N. May 15, p. 224]
Dr. David Griffiths, U. S. Dept. Agr. consid-
ers the methods needed to insure a satisfac-
tory supply of bulbs for sale each year, and
discusses the differences in the stocks suit-
able for the bulb market and stocks desir-
able for propagation. He gives detailed in-
formation on methods of culture, and the
soils and climatic conditions most favorable
to desirable development of lily bulbs. He
reviews the problems of marketing, the
pests of the lily family, and comments on
some of the greenhouse problems that deal
with production of flowers at other than
the usual seasons.

Some amateur gardeners will be particu-
larly interested in the directions Dr. Grif-
fiths gives for the hybridization of lilies
through artificial pollenization. He says
that many desirable hybrids have been lost
because the breeders did not work up ade-
quate stock for perpetuation of the variety,
and he tells how he multiplied stock of a
hybrid from seed sown in 1918. A single
bulb was selected in 1924 and by 1929 this
had been multiplied to a propagation of
10,000 in August, 1929.

"The production of lily bulbs in America
is a comparatively new venture," says Dr.
Griffiths, "although the garden culture of
lilies is an old one. The industry has re-
ceived a decided impetus in the last few
years, due in the largest measure to the dis-
covery that the production of the stocks
presents no unusual difficulties; indeed,
most of the species may be grown easily in
the regions of the country adapted to their
development. Few groups of plants pre-
sent such diversity of reproductive adapta-
tion."

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good supply of organic matter and plant
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come to mature bloom in from 2 to 4 years,
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atures, a relatively high atmospheric humid-
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and a porous soil high in organic debris.
But commercial success is possible in areas
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tively unfavorable." Doctor Griffiths says
that the lilies as a group still demand much
critical and constructive study and experi-
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William Henry Perkins, aged 70, died
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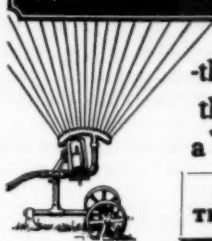
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Chestnut Hybrid for Worst Infected Regions

(Continued from page 244)

Chinese chestnut and the chinkapin, but in future shall call this "Blue-green" No. 3, because it belongs with the sweet chestnuts and chinkapin group. This will not cause confusion because scions of any No. 3 have not gone out as yet.

Curiously enough there was another blue-green among these hybrids but it was more vulnerable to the blight and I have never carried it up to a bearing stage.

I do not know by what reversion to some ancestor two blue-green trees should have appeared, the only ones among a large number of hybrids between the same parents and made in the same year. The squat triangular nut seems to be a throw-back also. Its flavor does not belong to either parent.

Hybrid No. 4 is a cross between the Chinese chestnut and the chinkapin. Only one of these trees has come into bearing with a small crop at about the fifteenth year. Because of this lateness of bearing it may not be especially desirable. But if grafted upon other stock it may bear much earlier, according to the history of grafted trees in general. The nut is of the good quality of both parents with a size like that of the Chinese parent. There is usually

one somewhat quadrate nut and two false nuts to the burr.

The tree will not be large but wide-spreading. The diameter of the trunk at the somewhat irregular base will measure something over 7 inches while the tree is little more than 12 ft. in height.

The leaves are glossy and cannot be distinguished readily from those of the Chinese parent.

At the present moment the chief advantage of this No. 4 rests in our ability to set it out in the worst infected blight regions with a certainty that it will be practically immune, and will go into bearing sooner or later—even though we have to wait for it.

A lower limb starting near the ground had its bark injured two or three years ago. Blight attacked the injured bark but the tree overcame this and that particular limb was fully leaved and bore nuts this year (1929). A very severe test. The tree is going to care for itself.

No. 5 is a cross between the Japanese chestnut and the chinkapin. It is highly resistant to the blight. The leaves are smaller than those of either parent. Its nuts are borne in heavy clusters with two or three nuts to the burr. They are small and of the second-rate quality belonging to Japanese hybrids in general.

To my mind the particular value of hybrid No. 5 rests in the fact that this big spreading shrub bears nuts in such enormous profusion that it will be of value for setting out upon game preserves where anything from turkeys to quail will feast upon the crop.

Reference has been made in some of my previous notes to a highly valuable American sweet chestnut which is extremely susceptible to the blight. It cannot be introduced excepting in regions that are free from this pest.

The nut is large and beautiful and the tree comes into bearing in the second or third year after being grafted upon other stock. The nut is very sweet and colored with alternating stripes of two shades of chestnut. I have named it the "Merri-brooke" and two Nurserymen have it in stock already.

Connecticut's Exhibition—The exhibition of the Connecticut Horticultural Society which will be held in the Hartford State Armory Sept. 12-14, will be known as the "All-Connecticut Horticultural Exposition," and it is felt will eclipse anything of the kind ever staged in the state and probably in New England. The Hartford Chamber of Commerce will serve, as usual, in the capacity of official reception committee.

Organizations now planning exhibits include: State Department of Agriculture, Farm Bureau, Extension Service, State Experiment Stations, Connecticut Agricultural Colleges, State Highway Department, Landscape Division, State Forestry Commission, State Park Commission, Connecticut Vegetable Growers' Association, Hartford Market Gardeners' Association, Connecticut Nurserymen's Association, Connecticut Pomological Society, Beekeepers' Association.

In Sherman, Tex., the Burton Nursery is managed by Mrs. E. L. Stephenson, formerly Mrs. Howard Burton.

Clinton Nurseries' Activity—The sixty-acre tract of land in Clinton, Conn., lying to the west of Clinton Manor Inn, formerly the property of Louis Krummel, Brooklyn, N. Y., has been purchased by Warren W. Richards. This land is being rapidly converted into an attractive show ground for the Clinton Nurseries by the use of a large new tractor. About fifty truck loads of trees have already been planted in the new location, coming from Richards' scattered fields, where they have been under cultivation for several years. A modern office building will be the headquarters for the Clinton Nurseries.

Nurseryman's Honor Defended

(Continued from page 241)

marks: "You ask why planters hesitate to plant black walnuts as against apple trees. I think the answer is that the latter grow and the former do not." Note Mr. Montgomery only thinks the decision; he is not sure.

I wish to state confidently and candidly, one of the reasons is because improper care prevents the trees from doing what they could; and the owners, like Mr. Montgomery, blame the species instead of himself. Don't I know? Dozens of people refuse to change their tree planting tactics from what they use on other trees when planting and caring for nut trees and they have Mr. Montgomery's results. I could fill a book of failures of trees planted just right in the eyes of the planter. But nature don't give a whoop for any individual's petty methods if it don't suit the species of tree applied to.

Regarding Mr. Montgomery's trees planted years ago: I'll prove they will grow if he changes from his "every care and attention" to what I term my every care and attention. What is more, I'll bet him \$500 if he let's me plant as many walnuts as he desires of the Thomas or Ohio variety, same size as apples planted at the same time, and let them be under my care, they will do as well as in his so called "faked photo."

JOHN W. HERSHEY

Downingtown, Pa.

I do not believe the picture in the *Journal* referred to by Mr. Montgomery was faked or even unintentionally exaggerated. I am quite sure that for many people, transplanted grafted black walnut trees have made as much growth and sometimes borne as precociously and heavily as the one shown in the picture.

W. C. DEMING

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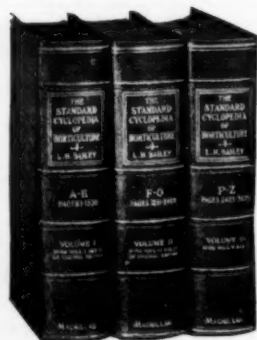
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Arkansas Nurserymen's Ass'n.—J. E. Britt, Secy., Bentonville, 1930: Sept. at Fayetteville.

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Pacific Coast Association of Nurserymen—C. A. Tonnerson, Secy., Burton, Wash. July 8-11, 1930: Hotel Sir Francis Drake, San Francisco, Cal.

Pennsylvania Association of Nurserymen—Floyd S. Platt, secy., Morrisville, Pa.

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Southern California Nurserymen's Ass'n.—L. B. Merrick, Secy., Whittier, Cal. Hold monthly meetings.

Southern Nurserymen's Association—W. C. Daniels, Secy., Pomona. N. C. Sept. 10-11, 1930: Norfolk, Va.

South Texas Nurserymen's Ass'n.—R. H. Bushway, Secy., 304 McGowan Ave., Houston.

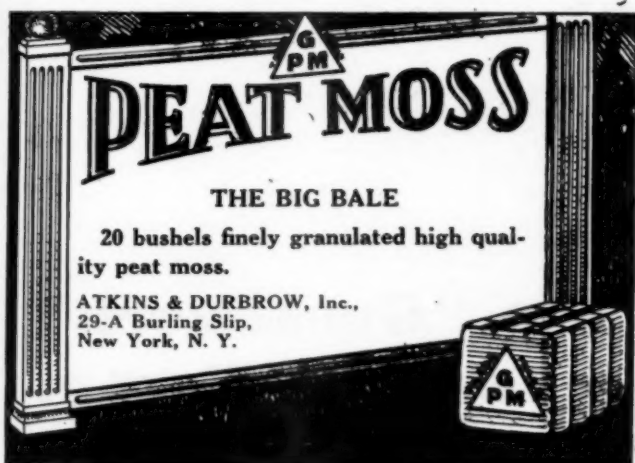
Southwestern Nurserymen's Association—Thomas B. Foster, Secy., Denton, Tex. Sept. 4-5, 1929: Fort Worth, Tex.

Tennessee Nurserymen's Association—Prof. M. G. Bentley, sec'y., Knoxville.

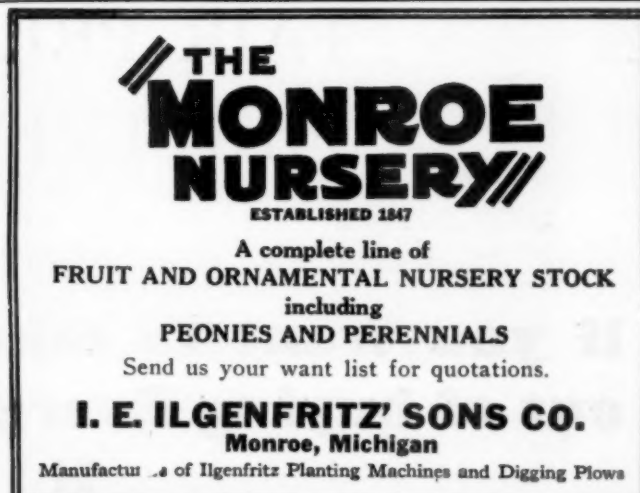
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